PU020044

DECLARATION AND POWERS OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural harman listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled SATELLITE TELEVISION SYSTEM GROUND STATION HAVING WIDEBAND MULTI-CHANNEL LNB CONVERTER/TRANSMITTER

SATELLITE	ARCHITECTURE L	ND STATION HAVING WII JTILIZING A FREQUENCY			ERIEH/IHANSMII	IER	
he specification	on of which was filed on	2/26/02		on Serial No.	10/083,865	and was amended o	n
		or, if not identifie					
	riewed and understand the	contents of the above	identified specificati	on, including the	claims, as amer	nded by any amendn	nent
eferred to abo	edge the duty to disclose in	nformation which is ma	terial to the examina	ation of this appli	ication in accorda	ance with 37 CFR 1.	56.
	laim foreign priority benefi						
	below any foreign applicati			or my represen	tatives or assigns	s for this invention ha	aving a
	re that of the application of			old [1 20V [1 b			
Appi	ication Noication No	in on	priority claime	d[]Yes[]No			
Appl	ication No	in on	priority claime	d [] Yes [] No			
I hereby o	claim the benefit under 35 t	USC 119(e) of any Unit	ed States provisiona	al application(s)	as listed below.		
Appl	ication No File ication No File File ication No File File ication No File File ication No	led					
	laim the benefit under 35		States application(s	s) listed below ar	nd, insofar as the	subject matter of ea	ch of the
claims of this a	application is not disclosed	in the prior United Stat	es application in the	manner provide	ed by the first par	ragraph of 35 USC 1	12, I
	he duty to disclose materia			which occurred	between the filing	g date of the prior ap	plication
	al or PCT international filing al No Filed	g date of this applicatio		haned			
	al No. Filed	[] patented	[] pending [] aban	doned			
I hereby d	leclare that all statements	made herein of my own	n knowledge are true	and that all sta	tements made or	n information and be	lief are
elieved to be	true; and further that these fine or imprisonment, or b	statements were made	e with the knowledge	e that willful false	e statements and	I the like so made an	е
	tine of imprisonment, or bi any patent issued thereon.		i and that such will	ui taise stateme	nts may jeoparui	ze the validity of the	
	ppoint, individually and co		as my/our attorney	or agent with full	power of substitu	ution and revocation.	, to
rosecute this	application and to transact	all business in the U.S				12 years	_
	Joseph S. Tripoli Joseph J. Laks		_ Registration No.		and	CARYOR	Papers
	Robert D. Shedd		Registration No. Registration No.		and and	CHROMALI	LY FILED
	Kuniyuki Akiyama		Registration No.			the superior of the superior o	
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		LICENSING INC	ATIONS - THOMS	ON MULTIMEDIA	A		
		TWO INDEPEN	DENCE WAY			<i>_</i>	
		PRINCETON, N	EW JERSEY 08543	3-5312	4 /	<u> </u>	7
Sole or Joint Inventor (1)	Paul Gothard K	.nutson			14/	•	
	(Type or Print)			gnature in Full. No	•		7
Citizenship	U.S.A.		Date	April.	5, 2002	<u>L</u> .	ŀ
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Sole or Joint	Kumar Ramasv	wamv.		10	Automodus A		1
Inventor (2)		vailiy			amamany		4
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	an above						
Residence	as above						
Sole or Joint	Max Ward Mute	erspaugh					7
Inventor (3)	(Type or Print)			nature in Full. No	initiale)		-{
Citizenship	U.S.A.	•	. (3)	gnature in ruii. 140	iiiiiais.)		
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As a below named inventor, I hereby declare that:

Post Office Address

Residence

as above

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SATELLITE TELEVISION SYSTEM GROUND STATION HAVING WIDEBAND MULTI-CHANNEL LNB CONVERTER/TRANSMITTER

ARCHITECTURE UTILIZING A FREQUENCY STABILIZED COMMON OSCILLATOR the specification of which was filed on 2/26/02 as Application Serial No. 10/083,865 and was amended on , or, if not identified here by filing date and serial number, is attached hereto. I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to the examination of this application in accordance with 37 CFR 1.56. I hereby claim foreign priority benefits under 35 USC 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate by me or my representatives or assigns for this invention having a filing date before that of the application on which priority is claimed. priority claimed [] Yes [] No Application No. priority claimed [] Yes [] No Application No. priority claimed [] Yes [] No Application No. in on I hereby claim the benefit under 35 USC 119(e) of any United States provisional application(s) as listed below. Application No. Filed Application No. Filed I hereby claim the benefit under 35 USC 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of 35 USC 112, I acknowledge the duty to disclose material information as defined in 37 CFR 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application [] patented [] pending [] abandoned Filed Filed [] patented [] pending [] abandoned Serial No. I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 USC 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. I hereby appoint, individually and collectively, the following as my/our attorney or agent with full power of substitution and revocation, to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected therewith: Registration No. 26,040 and Joseph S. Tripoli COPY OF PAPERS Registration No. and 27,914 Joseph J. Laks CHROMALLY FILED Registration No. 36,269 and Robert D. Shedd Registration No. 43,314 Kuniyuki Akiyama PLEASE ADDRESS ALL COMMUNICATIONS TO: JOSEPH S. TRIPOLI PATENT OPERATIONS - THOMSON MULTIMEDIA LICENSING INC. TWO INDEPENDENCE WAY PRINCETON, NEW JERSEY 08543-5312 Paul Gothard Knutson Sole or Joint Inventor (1) (Type or Print) (Signature in Full. No initials.) Citizenship U.S.A. 5 Huron Way, Lawrenceville, New Jersey 08648, U.S.A Post Office Address as above Residence Sole or Joint Kumar Ramaswamy Inventor (2) (Signature in Full. No initials.) (Type or Print) Citizenship India Post Office Address 7701 Tamarron Drive, Plainsboro, New Jersey 08648, U.S.A as above Residence Sole or Joint Max Ward Muterspaugh Inventor (3) (Type or Print) Citizenship U.S.A.

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